BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

Name of Work: Improvements to roads and drains at Someswara Layout,Kalidasa layout, Palanahalli and Surrounding area in Ward No.05 (Jakkur) Byatarayanapura Sub division

Estimate Amount:- Rs ,20000000/-

Name of Contractor:- Santhos Kumar K R

Approved amount:- Rs 1,76,07,790.00/-

Tender premium:- 5.00% Above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1,KPWD SR 2018-19) 8km lead= 57+2.0x1.28x8 =77.48	Cum	1423.17	226.04	321693.35	1462.54	1462.54	226.04	330593.11	0.00	226.04	0.00	1462.54	330593.11	8899.76	0.00	
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18,KPWD SR 2018-19)	Cum	237.20	5693.00	1350379.60	182.28	182.28	5693.00	1037705.04	0.00	5693.00	0.00	182.28	1037705.04	0.00	312674.56	
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229,KPWD SR 2018-19)	tn	27.60	75943.33	2096035.91	23.62	23.62	75943.33	1793971.89	0.00	75943.33	0.00	23.62	1793971.89	0.00	302064.02	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59,2,P No-271,KPWD SR 2018-19)	Cum	455.03	7423.71	3378010.76	384.06	384.06	7423.71	2851122.22	0.00	7423.71	0.00	384.06	2851122.22	0.00	526888.54	
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. (Data Rate)	Sqm	1271.70	2453.85	3120561.05	1032.90	1032.90	2453.85	2534581.67	0.00	2453.85	0.00	1032.90	2534581.67	0.00	585979.38	
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge KPWD SR 2018-19	Sqm	28.08	5688.90	159744.31	99.63	35.10	5688.90	199680.39	64.53	5688.90	367087.65	99.63	566768.04	407023.73	0.00	

Scanned by TapScanner

S. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	
7	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143,KPWD SR 2018-19)	Cum	1215.00	67.14	81575.10	1393.83	1393.83	67.14	93581.75	0.00	67.14	0.00	1393.83	93581.75	12006.65	0.00	
8	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147,KPWD SR 2018-19)	Sqm	4860.00	6.68	32464.80	5575.32	5575.32	6.68	37243.14	0.00	6.68	0.00	5575.32	37243.14	4778.34	0.00	
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.(I No-20.5,P No-153,KPWD SR 2018-19)	Cum	729.00	2094.67	1527014.43	836.30	836.30	2094.67	1751768.33	0.00	2094.67	0.00	836.30	1751768.33	224753.90	0.00	
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18,KPWD SR 2018-19)	Cum	1093.50	2101.34	2297815.29	1254.45	1254.45	2101.34	2636019.66	0.00	2101.34	0.00	1254.45	2636019.66	338204.37	0.00	
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6,KPWD SR 2018-19)Issue rate Dated -01-07-2020	Sqm	4860.00	31.16	151437.60	5575.32	5575.32	31.16	173726.97	0.00	31.16	0.00	5575.32	173726.97	22289.37	0.00	
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7,KPWD SR 2018-19)Issue rate Dated -01-07-2020	Sqm	4860.00	13.36	64929.60	5575.32	5575.32	13.36	74486.28	0.00	13.36	0.00	5575.32	74486.28	9556.68	0.00	
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6,KPWD SR 2018-19) Issue rate Dated -01-07-2020	Cum	243.00	6728.09	1634925.87	278.77	278.77	6728.09	1875562.74	0.00	6728.09	0.00	278.77	1875562.74	240636.87	0.00	

Scanned by TapScanner

Name

Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No-171,I No-21.78.12,KPWD SR 2018-19) Issue rate Dated -	Cum	164.05	7914.54	1298380.29	223.01	223.01	7914.54	1765043.73	0.00	7914.54	0.00	223.01	1765043.73	466663.44	0.00	
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15,KPWD SR 2018-19)	Sqm	194.40	477.48	92822.11	177.50	177.50	477.48	84752.70	0.00	477.48	0.00	177.50	84752.70	0.00	8069.41	
					17607790.00				17239839.60			367087.65		17606927.25	1734813.11	1735675.91	
	Sub Total													17606927.25	1734813.11	1735675.91	
	Miscellaneous & Rounding off													862.75	862.75		
	Total				17607790.00									17607790.00	1735675.86	1735675.91	

Contractor

Assistant Engineer
Yelahanka Project Division

Asst. Executive Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka Project Division

Scanned by TapScanner

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Work Slip: As per Std Tender Documents

Name of Work: Improvements to roads and drains at Someswara Layout,Kalidasa layout, Palanahalli and Surrounding area in Ward No.05 (Jakkur) Byatarayanapura Sub division

Estimate Amount:- Rs ,20000000/-

Name of Contractor:- Santhos Kumar K R

Approved amount:- Rs 1,76,07,790.00/-

Tender premium:- 5.00% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1,KPWD SR 2018-19) 8km lead= 57+2.0x1.28x8 =77.48	Cum	1423.17	226.04	321693.35	1462.54	1462.54	226.04	330593.11	0.00	226.04	0.00	330593.11	8899.75
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge ,KPWD SR 2018-19	Sqm	28.08	5688.90	159744.31	99.63	35.10	5688.90	199680.39	64.53	5688.90	367087.65	566768.04	40702373
7	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143,KPWD SR 2018-19)	Cum	1215.00	67.14	81575.10	1393.83	1393.83	67.14	93581.75	0.00	67.14	0.00	93581.75	12006.65

Scanned by TapScanner

	ption of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
8	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147,KPWD SR 2018-19)	Sqm	4860.00	6.68	32464.80	5575.32	5575.32	6.68	37243.14	0.00	6.68	0.00	37243.14	4778.3
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.(I No-20.5,P No-153,KPWD SR 2018-19)	Cum	729.00	2094.67	1527014.43	836.30	836.30	2094.67	1751768.33	0.00	2094.67	0.00	1751768.33	2247533
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18,KPWD SR 2018-19)	Cum	1093.50	2101.34	2297815.29	1254.45	1254.45	2101.34	2636019.66	0.00	2101.34	0.00	2636019.66	3382043
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6,KPWD SR 2018-19)Issue rate Dated -01-07-2020	Sqm	4860.00	31.16	151437.60	5575.32	5575.32	31.16	173726.97	0.00	31.16	0.00	173726.97	22289.3

Scanned by TapScanner

	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7,KPWD SR 2018-19)Issue rate Dated -01-07-2020	Sqm	4860.00	13.36	64929.60	5575.32	5575.32	13.36	74486.28	0.00	13.36	0.00	74486.28	9556.68
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6,KPWD SR 2018-19) Issue rate Dated -01-07-2020	Cum	243.00	6728.09	1634925.87	278.77	278.77	6728.09	1875562.74	0.00	6728.09	0.00	1875562.74	2406363?
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No-171,I No-21.78.12,KPWD SR 2018-19) Issue rate Dated -01-07-2020	Cum	164.05	7914.54	1298380.29	223.01	223.01	7914.54	1765043.73	0.00	7914.54	0.00	1765043.73	4666631?

Scanned by TapScanner

Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
2	3	4	5	6	10	11	12	13	14	15	16	17	18
Grand total				17607790.00				8937706.10			367087.65	9304793.75	173481311

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	17607790.00
Excess Amount =	1734813.11
Savings Amount =	1735675.91

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	9.85 %

Contractor

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka Project Divisim

Scanned by TapScanner